

2016 Leading by Example Awards

Presented by the Commonwealth of Massachusetts

Leading by Example Awards recognize each year outstanding clean energy and environmental efforts among Commonwealth agencies, public colleges/universities, municipalities and individuals.

STATE AGENCIES



Providing healthcare to MA veterans, the **Soldiers' Home in Holyoke** has implemented numerous energy efficiency efforts across its campus to reduce environmental impacts, energy, and costs. By installing efficient LED lights that improve light-quality for residents, upgrading to high-efficiency pumps, and converting to 'cool' white roofs – the facility has managed to reduce energy use by some 40% since 2004. To advance future efficiency efforts, the Home also reinvests Demand Response revenue into energy efficiency upgrades.



Advancing the adoption of electric vehicles and the installation of charging stations at public entities and workplaces, MassDEP's **Electric Vehicle Incentive Program (MassEVIP)**, is key to the Bay State's alternative transportation progress. Since 2013, MassEVIP has awarded over \$2 million in grants for public fleet vehicles at state agencies, campuses, and municipalities, as well as Workplace Charging grants to more than 130 MA employers, supporting 330 EV charging stations, or two-thirds of overall EV charging stations statewide.

PUBLIC HIGHER EDUCATION

On the site of a historic armory from the 1700's, **Springfield Technical Community College** actively advances energy efficiency and sustainability on campus. This includes improving insulation and windows in historic buildings, upgrading its heating system to save an estimated \$200,000 a year, streamlining its shuttle route to save fuel and reduce emissions, connecting the energy-efficient renovation of a historic building to the curriculum, and requiring double-sided printing to reduce paper and save approximately \$14,000 a year.



The **UMass System**, representing the 5 UMass campuses, collaborates effectively through the UMass Sustainability Council which brings each campus and the UMass President's Office together regularly. Collective system-wide achievements include a 14% reduction in GHG emissions despite a 35% growth in building square footage since 2004, the construction of 18 LEED Certified building since 2010, the installation of two of the five largest clean-burning natural gas combined heat and power systems in MA, and the publication of an annual sustainability report with details on energy and environmental progress.



MUNICIPAL



Designated a Green Community in 2010, the **Town of Winchester** with 22,000 residents, is implementing energy efficiency and sustainability programs through the collective work of multiple town committees and volunteers. Dozens of projects by the Energy Management Committee have saved over \$5 million since 2005, including a 24% natural gas reduction at the Public Library since 2010. The 'Cool Winchester Senior Energy Grant Program' helps fund weatherization improvements for residents, saving each an estimated \$700 annually in heating costs.



The **Town of Needham**, population 30,000, is effectively implementing a range of clean energy and water conservation initiatives. This includes a 3.5 MW landfill solar PV system completed this year, generating about 27% of the Town's public building demand and resulting in over \$500,000 in annual benefits to the town. Over 100 homes have installed solar PV through Solarize Needham and robust water conservation efforts include low-flow fixtures in municipal buildings and the distribution of free water-efficiency kits for residents.

INDIVIDUALS

Matt Coogan, a Planner in Gloucester and Essex, champions clean energy and energy efficiency initiatives and plays a key role in Green Communities efforts for both communities, including Essex's recent 2015 designation. Leading efforts to implement efficiency upgrades that save hundreds of thousands of dollars annually at municipal buildings, creating an Energy Reduction Plan for the regional school district, helping Gloucester reduce GHG emissions by 35% since 2009, and leading public outreach efforts on energy issues – Matt is key to the environmental successes of both municipalities.



Julia Wolfe, Director of Environmental Purchasing at the Operational Services Division, champions reducing the environmental impact associated with the Commonwealth procurement of products and services. Julia's successes include supporting OSD's Sourcing Leads to incorporate environmentally preferable products into approximately 50 contracts, leading the multi-state Green Cleaning Products contract sourcing team that reduces environmental impacts and delivers an average 20% cost discount, and earning MA a national award for the procurement of energy-efficient and less toxic computer equipment.

